No.



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HHE UNIVERD SYRVIES OF AVIERIOS

TO ALL TO WHOM THESE; PRESENTS SHALL COME;

Kentuckę Agricultural Experiment Station

MINITERS, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED, PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR TING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE RPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED HE PLANT VARIETY PROTECTION ACT. IN THE UNITED STATES SEED OF THIS VARIETY (DISHALL DBY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF ONS SPECIFIED BY THE OWNER OF THE RIGHTS. (84 STAT, 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

WHEAT, COMMON

'Foster'

In Testimony Aberrat, I have hereunto set my hand and caused the seal of the Mant Narista Arotection Office to be affixed at the City of Washington, D.C. this thirtieth day of July in the year of our Lord one thousand

nine hundred and ninety-nine.

(See reverse for instructions and information collection burden statement)

STD-470 (03-96) (Previous regions are to be destroyed)

EXHIBIT A.

ORIGIN AND BREEDING HISTORY OF FOSTER

Parentage: cross KY 83-60 / 'Tyler' // KY 83-75

Date of Cross: March 1984

Foster was derived from the cross KY 83-60 / 'Tyler' // KY 83-75. KY 83-60 and KY 83-75 were selections from bulk populations provided by T. M. Starling, formerly small grains breeder at Virginia Polytechnic Institute and State University. The pedigree of KY 83-60 is 'Coker 65-20' /'Arthur'/4/ 'Chul' *8 CC// VA 68-22-7/ 'Abe'/3/ VA 72-54-14. The pedigree of KY 83-75 is 'Suwon 92' / Arthur// Arthur/ VA 70-52-2. The three-way cross, (KY 83-60 / 'Tyler') // KY 83-75 was made in the 1984 spring greenhouse at Lexington, KY. The F₁ row was grown in the field near Lexington, KY in 1985. Seeds harvested from this row were grown in 1985-86 F₂ bulk plots near Lexington, KY. Individual heads were selected, and F3 headrows were grown near Lexington, KY the following year. The F3 headrow which gave rise to Foster was harvested in bulk and grown in an F4 bulk plot at Lexington in 1987-88. Ninety-eight F4 heads were selected from this bulk plot and grown as F5 headrows. Forty heads were selected for F6 headrows. Four F7 headrows were selected and harvested separately. A single F₈ progeny plot was increased in the F₉ and F₁₀ generations to produce F₁₁ breeder seed. The selection that became Foster was selected for disease resistance and excellent agronomic characteristics and grown in a PT1 trial near Lexington, KY in 1990. Foster has been in advanced testing from 1991 to the present and was in the 1993-94 and 1994-95

Uniform Eastern Soft Red Winter Wheat Nursery under the experimental number, KY 85C-31-6.

Foster has been uniform and stable since 1994. Variants have been observed at the following frequencies: awned plants - 0.03%; tall plants with compact spikes - 0.02%; tall plants with lax spikes 0.04%. Up to 1% variant plants may be encountered in subsequent generations.

9700119

EXHIBIT B.

STATEMENT OF DISTINCTNESS

Foster is most similar to the soft red winter wheat FFR 555w. However, it can be easily distinguished by the following morphological characteristics:

- -Foster has green plant color (Value: 4/, Chroma: /4, Green color chart, Munsell Book of Color, Vol. 1, 1929-1942, Munsell Color Co., Inc., Baltimore, MD) at booting (Lexington, KY 1994 -1996)
- -FFR 555w has blue-green plant color (Value: 5/, Chroma: /6, Blue-Green color chart, Munsell Book of Color, Vol. 1, 1929-1942, Munsell Color Co., Inc., Baltimore, MD) at booting (Lexington, KY 1994 -1996)
- -Foster has a lax spike (Lexington, KY 1994 -1996)
- -FFR 555w has a middense spike (Lexington, KY 1994 -1996)
- -Seeds of Foster have a shallow crease and a long brush (Lexington, KY 1994 1996)
- -Seeds of FFR 555w have a deep crease and a medium brush (Lexington, KY 1994 -1996)

PITOUTE

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE DIVISION BELTSVILLE, MARYLAND 20705

EXHIBIT (
(Wheat)

OBJECTIVE DESCRIPTION OF VARIETY

WHEAT (Triticum spp.)

NAME OF APPLICANT(S)	FOR OFFICIAL USE ONLY
Kentucky Agricultural Experiment Station	PVPO NUMBER
ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code)	
5-123 Agricultural Science Bldg. North University of Kentucky	VARIETY NAME
exington, KY 40546-0091	Foster
	TEMPORARY OR EXPERIMENTAL DESIGNATION
	KY 85C-31-6
LEASE READ ALL INSTRUCTIONS CAREFULLY: Place the appropriate number that describes the varietal clace a zero in the first box (e.g. or or or or or or or less respectively. Done minimum of 100 plants. Comparative data should be determined from varieties entered in the same trial. Royandard may be used to determine plant colors; designate system used: lease answer all questions for your variety; lack of response may delay progress of your appropriate the same trial is a progress of your appropriate the same trial is a progress of your appropriate the same trial is a progress of your appropriate number that describes the variety is a progress of your appropriate number that describes the variety is a progress of your appropriate number that describes the variety is a progress of your appropriate number that describes the variety is a progress of your appropriate number that describes the variety is a progress of your appropriate number that describes the progress of your appropriate number that the progress of your appropriate number that describes the progress of your appropriate number that the progress of your appropriate numbe	ata for quantitative plant characters should be bas al Horticultural Society or any recognized color
KIND:	nication.
1=Common 2=Durum 3=Club 4=Other (SPECIFY)	
1=Common 2=Durum 3=Club 4=Other (SPECIFY)	
VERNALIZATION:	Superior Control of
2 1=Spring 2=Winter 3=Other (SPECIFY)	
COLEOPTILE ANTHOCYANIN:	
1=Absent 2=Present	
JUVENILE PLANT GROWTH:	
1=Prostrate 2=Semi-erect 3=Erect	
PLANT COLOR (boot stage):	Note that the second se
1 = Yellow-Green 2 = Green 3 = Blue-Green	
FLAG LEAF (boot stage):	
$1 = \text{Erect} \qquad 2 = \text{Recurved}$	1 = Not Twisted 2 = Twisted
EAR EMERGENCE:	
Number of Days Earlier Than Pioneer Brand 2510	
0 3 Number of Days Later Than Madison	:
ANTHER COLOR:	
1 = YELLOW 2 = PURPLE	gas in the Section 1995.
PLANT HEIGHT (from soil to top of head, excluding awns):	
PLANT HEIGHT (from soil to top of head, excluding awns): or Taller Than FFR 555W	14 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -

Ellange.

10.	STEM:					<u>Ex</u>	hibit C (Wheat) Pag
	A. ANTHOCYANIN	<i>y</i>	•				7.2
	l= Absent	2=Present					•
	N YYLLYYY WY A A A						
	B. WAXY BLOOM					•	•
	2 1≃Absent	2=Present					
	C. HAIRINESS (last in						
•	I=Absent	2=Present				***	18
		2-1 resent					
	D. INTERNODE (SPE	CIFY NUMBER)	3	•	1 1		
-	1=Hollow	2=Semi-solid	3=Solid	•			ere i
	<u> </u>						
	E. PEDUNCLE	* *					•
	2 1=Absent	2=Present					
					•		
	29 cm Length						
11. F	IEAD (at Maturity):						
	A. DENSITY		- 19-40 - 28 10- 10- 10- 10- 10- 10- 10- 10- 10-		general and a second	yes Latinia	allo de mario
			Dense				
			Maria de la compania			e differential production	et e e e e e e e e e e e e e e e e e e
	B. SHAPE				in design and the second	o presidente de la compaña de la compaña La compaña de la compaña d	ing the second s
	1 = Tapering	2= Strap	B = Clavate	4 = Other (SP)	ECTEV		
							
	C. CURVATURE				Stanford		$(x_i) \in \mathcal{F}_{i+1}(x_i) \times \mathcal{F}_{i+1}(x_i)$
	1 = Erect	2 = Inclined 3 =	= Recurved				1.44
:	D. AWNEDNESS						
	1 = Awnless	2 = Apionlly Asso	J.44. J				
	3, 2	2 = Apically Awr	nenen 3=	Awnletted	4 = Awned	to the second of	
12. GI	UMES (at Maturity):				and the second second		
	A. COLOR						
	1 = White	$2 = Tan \qquad 3 = O_1$	ther (SPECIFY)	·	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	200	
	B. GV CAN SAME						1
•	B. SHOULDER						
	1 = Wanting	2 = Oblique	3 = Rounded	4 = Square	5 = Elevated	6 = Apiculate	· · · · · ·
	C. BEAK			• :			• .
	1 = Obtuse	2 = Acute 3 =	Acuminate		the state of the s	1888 - 1885 - 18	
		2 1xcarc 5-x	xcummate				
	D. LENGTH		e - 1. •		0,		*
	1 = Short (ca. 7n)	um) 2 = Mediu	m (ca. 8mm)	3 = Long (ca.	9mm)		***
	E VIII			- 2026 (612	, Jimin,		
•	E. WIDTH						
	1 = Narrow (ca. 3	3mm) $2 = Mediu$	m (ca. 3.5mm)	3 = Wide (ca.	4mm)		
. SEE	D:				<u>. </u>		e de l'Ara
	A. SHAPE						
		≕ ⊙ val 3 = EU	ntical		ar entre		
		ئن. PW	pticai	4.4			and the second s
E	CHEEK						
	1=Rounded	2=Angular					
,	' Philon	77					
C	BRUSH	2					**
	1=Short 2=N	ledrom 3=Long	3	1 1	= Not Collared	2 = Collared	
p	CDEACE C	5	•	لشا			
-	I = Width 60% or	(C) less of Kernel			_		
	2 = Width 80% or	less of Kernel		1 1	= Depth 20% or i	ess of Kernel	$a_i N = \frac{1}{2}$
•	3 = Width Nearly:	s Wide as Kernel			= Depth 35% or l	ess of Kernel	

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SEED: (continued)	**************************************	Exhibit C (Wheat)
E. COLOR	The state of the s	
	3 = Red 4 = Other (SPECIFY)	<u> </u>
<u> </u>		· · · · · · · · · · · · · · · · · · ·
F. TEXTURE 1=Hard 2=Soft	The state of the s	No. (1994) Designation of Park
2		
G. PHENOL REACTION (see instructions	ያን፡ _፡	the control of the specification of the
$1 = Ivory \qquad 2 = F_{awn} \qquad 3 = F_{awn}$	= Light Brown 4 = Dark Brown 5 = Black	
DISEASE: (0=Not Tested: 1=Suscentible		
(e; 2=Resistant; 3=Intermediate; 4=Tolerant) TE THE SPECIFIC RACE OR STRAIN TESTED	
I BOILD HOTCA	TE THE STECIFIC RACE OR STRAIN TESTED	
Stem Rust (Puccinia graminis f. sp. tritici)		tici)
2 tested w/numerous races;	has SR 24 2 tested w/flumerous ra	aces; unable to
Stripe Rust (Puccinia striiformis)	identify specific res	sistance genes
0	Loose Smut (Ustilago tritici)	
Tan Spot (Pyrenophora tritici-repentis)	Flag Smut (Urocystis agropyri)	e de la companya de
		en e
Halo Spot (Salamanhama domania)		
Halo Spot (Selenophoma donacis)	Common Bunt (Tilletia tritici or T. laev.	is)
Septoria nodorum (Glume Blotch)	Dwarf Bunt (Tilletia controversa)	
3		<u> </u>
Septoria avenae (Speckled Leaf Disease)	V ID (W)	
Operated Leaf Disease)	Karnal Bunt <i>(Tilletia indica)</i>	
Septoria tritici (Speckled Leaf Blotch)	Powdery Mildew (Erysiphe graminis f. s	sp. <i>tritici)</i>
3	2 Adult plant resistanc	e; race(s) unknown
Scab (Fusarium spp.)		
Scale (Fusurum spp.)	"Snow Molds"	
"Black Point" (Kernel Smudge)	Common Root Rot (Fusarium, Cochliol	bolus and Bipolaris spp.)
0	0	
Barley Yellow Dwarf Virus (BYDV)		
- Darrey renow Dwart vitus (BYBV)	Rhizoctonia Root Rot (Rhizoctonia solar	nı)
Soilborne Mosaic Virus (SBMV)	Black Chaff (Xanthomonas campestris p	ov. translucens)
0	0	
Wheat Yellow (Spindle Streak) Mosaic Virus	Posts in CDV 14 CD	
Race(s) unknown	Bacterial Leaf Blight (Pseudomonas syri	
		·
Wheat Streak Mosaic Virus (WSMV)	Other (SPECIFY)	
0		
Other (SPECIFY)		
· [
Other (SPECIFY)	Other (SPECIFY)	
	r—	
		
Other (SPECIFY)	Other (SPECIFY)	

5. INSECT:	(0=Not Tested;	1=Susceptible;	2=Resistant;	3=Intermediate;	4=Tolerant)	Exhib	it C (Wheat) Page
		PLEASE	SPECIFY BIOT	YPE (where needed))		
	iy <i>(Mayetiola destru</i> Susceptible to	•	Ot	her (SPECIFY)	- 19 A - 1		
Stem Saw	fly (Cephus spp.)	:	Otl	er (SPECIFY)			
Cereal Lea	af Beetle <i>(Oulema m</i>	telanopa)		er (SPECIFY)			
	phid (Diuraphis no		Oth	er (SPECIFY)			
Greenbug	(Schizaphis graminu	(m)	Othe	er (SPECIFY)			-
Aphids	,	and the second		r (SPECIFY)		eran job jene med	
ADDITIONAL	INFORMATION O	NANVITEM AL	ON OR CEN			1. 1	1, 3

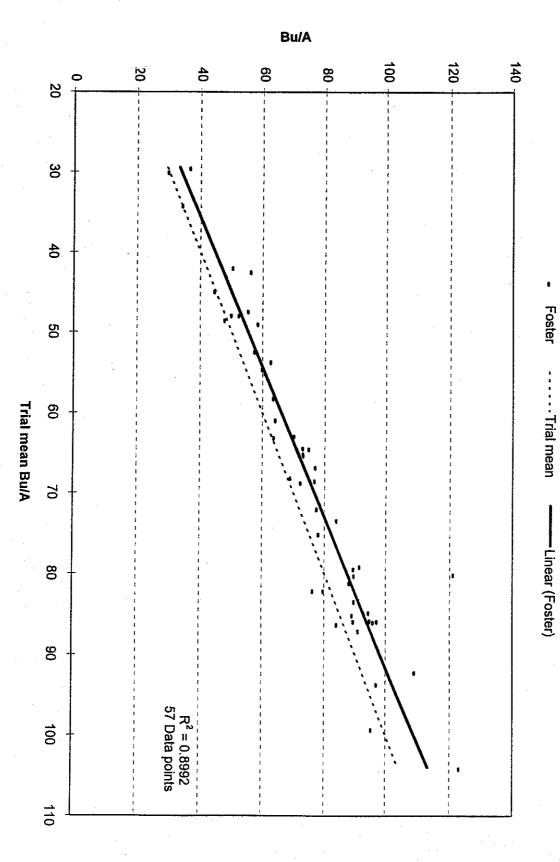
Agronomic Data for Foster and Similar Adapted SRW Wheat Varieties in Kentucky, 1995-96

3.5	12	19 May	0	29.7	56.8	44.4	Coker 9803
3.5	12	19 May	0	31.4	53.9	47.4	FFR 555w
3.5	12	20 May	0	31.6	55.8	45.7	Jackson
3.5	12	19 May	0	32.8	55.2	50.5	Foster
Yield ** LSD(0.05)	No. Obs. *	Heading Date	Lodging (%)	<u> </u>	l est Wt. (lb/bu)	Yield (bu/a)	Variety

Yield, Test Weight, and Disease Ratings of Foster and FFR 555w in Kentucky , 1996, in Preliminary, Advanced, and Elite Trials in Kentucky in which Foster and FFR 555w were checks.

FFR 555w	Foster	Variety
47.8 ± 4.6	53.4 <u>±</u> 5.0	Yield (bu/a)
52.5 ± 0.56	53.8 ± 0.38	Test Wt. (lb/bu)
N	8	Powdery Mildew (0-9)
6.3	6.2	Septoria leaf blotch (0-9)
80; S	Trace; R	Leaf rust (% flag leaf; reaction)
9.8	4.8	Scab (no.heads)
1 5	15	No. Obs.

Means based on two years and six locations per year Computed from the combined ANOVA over locations and years



Foster yield performance vs. Trial mean

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1994 Ollinoidin Eastern Wheat Nurs	100/ Iniform Continue Vice

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Г	71.6	\vdash	71.2 7	71.4 7	70.4	7	Ţ	T	Ţ		Т	\neg		74 0	3 3	8.80	0.5	1	2 6		69.8	70.2	72.9	70.3	72.5	28 7	72.7	70.5	7 1	3/2	7 6	3 8	69.9	70.6	77.4	71.1	72.1	73.6	HTUOS	L				-
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Milling and Baking Quality - - 1994 Uniform Eastern Wheat Nursery

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×	_	MEAN		L 1 GBOON	2000	OH AGE	OH 493	0 0400	ABI 90*9476	1-1-04-7-0-1-1	V 850 -0	SEC 41.0	WA 84438	GA 84414-2	L 87-5250-2	L 87-1917-1	X 1898-1	MO 9965-52	813811-16-5-50	TW 86-317	VA 91-54-222	AR 361A-2-1	AR 3614-0 1	900819	. 89-690	VA 91-54-219	GA 831585	MO 12256	ABI 89-4580	PRO111A1-20-2-2	TN 83-328	KY 83C-16-2	MO 9965-4	1814	IL 85-3132-1	PION 2548	CALDWELL	CARDINAL			CNIXI
1	_	 		37	ĕ	8	2 2	1 2	32	31	8	28	28	27	26	25	24	23	23	21	2 8	ā	17	16	15	7	3 i	3	: ē		00	7	8	5		3 1	,	<u> </u>	\dagger	\dagger	
	2	9.13		8.74	8.36	6.76	8.98	9.11	8.45	9,58	9.01	8.67	9,37	8.36	8.34	1.0	8	8.41	9.28	974	0 20	i e	98	9.19	9.80	8.46	053	200	8.49	8.60	9.31	9.00	\neg	\neg	7		7	2 2		PROT	- COUR
	8 70	7.24		7.09	7.29	e.96	?	7.34	7.17	7.50	7.07	8.72	6.88	7.15	7,40	7.38	724	7.80	3 .	7 0 3 8		2	7.68	7.15	7.27	6.91	736	7 2	1 6.92	Т			7	_	1	0 0		777	╼┶-	=	7
70.7	7 3	8.38		7.96	8.65	7.59	8.53	8.49	9.58	8 1	8.49	8.04	8.14	7.81	7.78	8.78	8 8	2 2	8 8	9 8	8.77	8.45	9.00	9.02	8.71	7.83	80.7	7.24	Τ	Т	П		7	1	1	733	1	٦,		1	
S	3 2	2	_	53.9	53.2	55.4	54.5	8	53.3	53.7	54.2	55.2	53.7	8	8	52 7	74 75	2 2 2	3 8	28	8	55.7	53.4	56.2	53	77	, E	56.9	Т				T		,	7 2	Ť	ğ		AWRC	MICRO
52.5	0.0	77.7	1	55.8	55.2	55.4	55.5	55.9	56.5	2	2	58.5	55.	<u>ي</u>	53	2 0	7 O	0.50	8	58.	<u>x</u>	55.6	52.5	57.2	55 2	2 0	55.3	56.7	55.3	55.7	55.3		丁	30 00	1	30	T	· s	-		
52.5	1	_		8	57.5	55.7	8	55.7	57	2	55.6	57	55.2	57 6	3 3	2	8	33.3	55.8	58.8	53,8	56	53.4	58.6	2 0	54.9	54.4	57.5	54.1	54.9	2	54.5	3 6	7	7	\top	1	¥ M			
17.28	18.23	3		7	18.53	18.62	#8.01	18.44	77.77	18.35	18.98	18.98	80	170	000		18.5	18.26	17.86	17.28	18.16	18.68	18.39	17 65	19.02	17.58	18.24	18,31	18.57	18.03	18.43	3 8	7	Т	7	\neg	Т	7=		DIAM.	COOKIE
18.21	18 74		6,00	200	18 46	192	19.15	18 33	18.35		3	18.5	18 43	18.02	j a	18.81	19.09	19.04	18.36	18.58	19.13	18.75	19.1	19.2	18.27	18.85	18.89	18.98	18.3	T	1905	T	7	7	┰		18.72	1			īīī
7	18.33		10,40	6 6		8	# E	18 45	17 C	1 0.00 B	77		3 2	18.83	18.12	18.15	18.34	18.7	17.63	17.74	18.5	18.87	18.82	10.07	17.81	18.42	18.45				10.7	7		T	\top	1	18.2	NATE			

Superior milling quality reflects high break flour yield and high softness equivalent. A combination of low protein, low AWRC, high cookie diameter, and high SE lead to a high baking quality score. Both milling and baking quality scores are reported in %, and compared to a lab standard assigned a value of 100 %. The combined quality score reflects the lesser of the milling and baking quality scores.

					1995	Unife	nm Ea	stern Nui	sery	
	ENTRY	J	WILLING			BAKING			COMBINE	:D
	•	•	QUALITY		(QUALITY		(QUALITY	
			SCORE			SCORE			SCORE	
		N	s	ATL	N	s	ATL	N	s	ATL
1	CARDINAL	100.1	99.0	93.5	92.0	89.3	77.9	92.0	89.3	77.9
2	CALDWELL (STD)	101.3	94.6	104.1	97.3	104.6	98.4	97.3	94.6	98.4
3	PION. 2548	92.5	91.8	88.5	75.4	74.8	60.0	75.4	74.8	60.0
4	L 900819	95.0	92.5	93.5	79.1	79.6	73.7	79.1	79.6	73.7
5	AR 361A-9-1	87.7	85.4	92.7	90.7	95.8	82.5	87.7	85.4	82.5
6	MO 9965-52	93.8	90.5	97.6	97.9	91.3	90.0	93.8	90.5	90.0
7	X 1898-1	97.2	100.5	103.6	97.9	101.4	96.8	97.2	100.5	96.8
8	IL 87-1917-1	92.6	101.5	97.5	87.9	96.1	87.8	87.9	96.1	87.8
9	IL 87-5250-2	102.2	101.1	101.6	98.5	96.6	82.1	98.5	96.6	82.1
10	GA 84414-2	89.6	89.6	96.9	79.2	82.5	81.8	79.2	82.5	81.8
11	T 71	94.1	95.4	102.5	93.4	95.0	81.2	93.4	95.0	81.2
12	KY 85C-31-6 (FOSTER)	102.5	103.2	103.2	96.2	103.7	96.8	96.2	103.2	96.8
13	OH 498	87.8	90.7	93.0	84.0	92.8	91.8	84.0	90.7	91.8
14	EH 9408	89.9	92.7	95.4	67.9	71.8	80.0	67.9	71.8	80.0
15	MO 12258	88.0	93.6	93.5	93.3	92.1	87.1	88.0	92.1	87.1
16	MO 91-1003	94.5	99.3	99.7	100.5	101.9	101.9	94.5	99.3	99.7
17	TW 90401	93.3	91.6	98.1	104.7	104.5	101.7	93.3	91.6	98.1
18	AR 26158-4	100.0	98.3	99.6	99.9	101.0	93.7	99.9	98.3	93.7
19	KY 85C-33-24-16-1-3	77.5	80.1	82.5	72.2	78.5	75.7	72.2	78.5	75.7
20	XW 532	90.0	85.1	88.7	95.3	84.8	87.5	90.0	84.8	87.5
21	XW 535	84.9	97.2	93.8	92.7	94.3	98.3	84.9	94.3	93.8
22	PA 8769-152	93.0	87.4	94.2	101.5	100.0	88.8	93.0	87.4	88.8
23	PA 8769-158	91.9	84.1	98.9	102.5	99.3	87.9	91.9	84.1	87.9
24	L 910097	92.8	93.3	99.0	91.5	93.3	87.7	91.5	93.3	87.7
25	L 910568	93.7	94.5	94.5	79.0	86.3	74,4	79.0	86.3	74.4
26	86981RC1-9-4-X	88.5	87.5	98.5	95.6	85.4	98.6	88.5	85.4	98.5
27	86340C1-22-5-2	93.3	93.8	96.3	89.9	88.6	87.0	89.9	88.6	87.0
28	IL 89-64863	95.7	94.8	96.7	100.6	95.9	99.0	95.7	94.8	96.7
29	T 8141	92.8	91.7	97.5	82.8	76.2	81.3	82.8	76.2	81.3
30	VA 93-52-60	101.0	100.0	100.9	86.5	80.3	84.6	86.5	80.3	84.6
31	VA 93-54-185	98.0	94.5	101.9	81.9	78.2	77.9	81.9	78.2	77.9
32	VA 94-51-20	97.8	99.4	99.4	91.4	99.8	86.0	91.4	99.4	86.0
33	A 89-4032A-1	92.0	94.6	98.1	93.3	87.3	82.4	92.0	87.3	82.4
14	A 92-3122	84.3	86.8	89.5	75.5	79.8	76.4	75.5	79.8	76.4
5	A 92-3327	87.0	86.4	88.9	65.8	68.4	62.2	65.8	68.4	62.2
16	A 92-3409	93.7	91.6	93.9	77.3	79.6	74.4	77.3	79.6	74.4
.~ 37	OH 526	92.9	94.8	95.3	88.9	94.2	88.9	88.9	94.2	88.9
8	OH 530	99.7	96.4	102.1	100.4	105.7	101.5	99.7	96.4	101.5
	MINIMUM	77.5	80.1	82.5	65.8	68.4	60.0	65.8	68.4	60.0
	MAXIMUM ,	102.5	103.2	104.1	104.7	105.7	101.9	99.9	103.2	101.5
	MEAN	93.2	93.3	96.5	89.5	90.3	85.9	87.5	88.1	85.6

EXHIBIT D.

ADDITIONAL DESCRIPTION OF FOSTER

Foster is a soft red winter wheat developed by the Kentucky Agricultural Experiment Station. It was derived from the cross KY 83-60 / 'Tyler' // KY 83-75. Foster is a high yielding, strong strawed, medium height wheat with mid-season maturity. Foster offers resistance to the most prevalent races of leaf rust and powdery mildew in its area of adaptation. It offers moderate resistance to Septoria leaf and glume blotches and moderate resistance to spindle streak mosaic virus. Foster has good test weight and superior milling and baking quality.

Juvenile growth habit is semi-erect. Plant color at boot stage is green. The flag leaf at booting is erect. Auricle anthocyanin is absent and auricle hairs are present. Waxy bloom is present on the stem, flag leaf sheath and spike. The head is tapering, awnletted and lax. Spike position at maturity is recurved. Glumes are long and narrow with square shoulders and obtuse beaks. Seed shape is ovate. The seed brush is long in length and large in size. Seed cheeks are rounded.

Foster is well adapted to the states of the southern corn belt, including Kentucky, Indiana, Illinois, and Ohio. It also shows some adaptation to Arkansas, Tennessee, and the Atlantic coast states including Virginia and North Carolina.

REPRODUCE LOCALLY. Include form number and date on all reproductions.	Property and a second second	
U.S. DEPARTMENT OF AGRICULTURE	FORM APPROVED - OMB N The following statements are made	e in accordance with the Private Ac
AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY DIVISION - PLANT VARIETY PROTECTION OFFICE	1974 (5 U.S.C. 552a) and the Pap	erwork Reduction Act [PRA] of 1995
EXHIBIT E STATEMENT OF THE BASIS OF OWNERSHIP	Application is required in order to certificate is to be issued [7 U.S.C. until certificate is issued [7 U.S.C.	o determine II a plant variety protect 2. 2421). Information is held confiden 2426).
1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME
Kentucky Agricultural Experiment Station	KY 85C-31-6	Foster
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)	5. TELEPHONE (include area code)	6. FAX (include area code)
S-123 Agricultrual Science Bldg. North	606-257-4772	606-257-2185
University of Kentucky Lexington, KY 40546-0091	7. PVPO NUMBER 9	00119
8. Does the applicant own all rights to the variety? Mark an "X" in appropriate	block. If no, please explain.	X YES NO
	· · · · · · · · · · · · · · · · · · ·	
l. Is the applicant (individual or company) a U.S. national or U.S. based compan- If no, give name of country	y?	X YES NO
O. Is the applicant the original breeder? If no, please answer the following:		
a. If original rights to variety were owned by individual(s): Is (are) the original breeder(s) a U.S. national(s)? If no, give name of controls is the original breeder(s) a U.S. national(s)?	•	X YES NO
is (are) the original breeder(s) a U.S. national(s)? If no, give name of one of the company is a second by a company:	country	X YES NO
b. If original breeder(s) a U.S. national(s)? If no, give name of or b. b. If original rights to variety were owned by a company: ls the original breeder(s) U.S. based company? If no, give name of company?	country	
is (are) the original breeder(s) a U.S. national(s)? If no, give name of one of the company is a second by a company:	country	
b. If original breeder(s) a U.S. national(s)? If no, give name of or b. b. If original rights to variety were owned by a company: ls the original breeder(s) U.S. based company? If no, give name of company?	country	
b. If original rights to variety were owned by a company: Is the original breeder(s) U.S. based company? If no, give name of column of the company of the original breeder(s) U.S. based company? If no, give name of column of the column of t	country	
b. If original rights to variety were owned by a company: Is the original breeder(s) U.S. based company? If no, give name of colors the original breeder(s) U.S. based company? If no, give name of colors. Additional explantion on ownership (If needed, use reverse for extra space): See Attachment EASE NOTE:	untry	
b. If original rights to variety were owned by a company: Is the original breeder(s) U.S. based company? If no, give name of contact the original breeder(s) U.S. based company? If no, give name of contact the original breeder(s) U.S. based company? If no give name of contact the original breeder(s) U.S. based company? If no give name of contact the original breeder(s) U.S. based company? If no give name of contact the original breeder(s) U.S. based company? If no give name of contact the original breeder(s) U.S. based company? If no give name of contact the original breeder(s) U.S. based company? If no give name of contact the original breeder(s) U.S. based company? If no give name of contact the original breeder(s) U.S. based company? If no give name of contact the original breeder(s) U.S. based company? If no give name of contact the original breeder(s) U.S. based company? If no give name of contact the original breeder(s) U.S. based company? If no give name of contact the original breeder(s) U.S. based company? If no give name of contact the original breeder(s) U.S. based company? If no give name of contact the original breeder(s) U.S. based company? If no give name of contact the original breeder(s) U.S. based company? If no give name of contact the original breeder(s) U.S. based company? If no give name of contact the original breeder(s) U.S. based company? If no give name of contact the original breeder(s) U.S. based company? If no give name of contact the original breeder(s) U.S. based company? If no give name of contact the original breeder(s) U.S. based company? If no give name of contact the original breeder(s) U.S. based company? If no give name of contact the original breeder(s) U.S. based company? If no give name of contact the original breeder(s) U.S. based company? If no give name of contact the original breeder(s) U.S. based company? If no give name of contact the original breeder(s) U.S. based company? If no give name of contact the original breeder(s) U.S. based company? If no give name of co	ne of the following criteria:	YES NO
b. If original rights to variety were owned by a company: Is the original breeder(s) U.S. based company? If no, give name of collist the original breeder(s) U.S. based company? If no, give name of collist. Additional explantion on ownership (If needed, use reverse for extra space): See Attachment EASE NOTE: Int variety protection can be afforded only to owners (not licensees) who meet our of the rights to the variety are owned by the original breeder, that person must	ne of the following criteria; be a U.S. national, national of a Une genus and species.	POV member country, or national
b. If original rights to variety were owned by a company: is the original breeder(s) U.S. based company? If no, give name of continuous company is the original breeder(s) U.S. based company? If no, give name of continuous company is the original breeder(s) U.S. based company? If no, give name of continuous company is no, give name of continuous company is no, give name of continuous company. See Attachment LEASE NOTE: If the rights to the variety are owned by the original breeder, that person must of a country which affords similar protection to nationals of the U.S. for the same if the rights to the variety are owned by the company which employed the original breeder is the unity are owned by the company which employed the original breeder is the unity are owned by the company which employed the original breeder is unity which employed the original breeder is the unity of a country which employed the original breeder is the unity of a country which employed the original breeder is the unity of a country which employed the original breeder is the unity of a country which employed the original breeder is the unity of a country which employed the original breeder is the unity of a country which employed the original breeder is the unity of a country which employed the original breeder.	ne of the following criteria; be a U.S. national, national of a Une genus and species. nal breeder(s), the company must	POV member country, or national be U.S. based, owned by nals of the U.S. for the same
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b. If original rights to variety were owned by a company: is the original breeder(s) U.S. based company? If no, give name of collisions of a country which affords similar protection to nationals of a country which affords similar protection to nationals of a country which genus and species. If the rights to the variety are owned by the original breeder, that person must of a country which affords similar protection to nationals of the U.S. for the sar interest of a UPOV member country, or owned by nationals of a country which genus and species. If the applicant is an owner who is not the original breeder, both the original breeder may be the individual or company who directed final breeder original breeder may be the individual or company who directed final breeder.	untry	POV member country, or national be U.S. based, owned by mals of the U.S. for the same one of the above criteria. Plant Variety Protection Act for thing existing and

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EXHIBIT E. (ATTACHMENT)

STATEMENT OF THE BASIS OF APPLICANT'S OWNERSHIP

The variety for which Plant Variety Protection is hereby sought was developed by Dr. David Van Sanford who is an employee of the Kentucky Agricultural Experiment Station.